

PATENT CLAIMS

1. Device for the melting or the refining of glasses or glass ceramics;

1.1 with a channel (3, 30) which is essentially arranged horizontally and which has an inlet and an outlet for the glass melt;

1.2 channel (3, 30) is constructed according to a type of skull pot comprised of a plurality of metal pipes (3.1-3.7; 30.1-30.6), which can be connected to a cooling medium;

1.3. an HF coil (1, 10, 100) is assigned to channel (3, 30) for input of HF energy into the melt.

2. Device according to claim 1, further characterized in that the metal pipes (3.1-3.7; 30.1-30.6) and the windings of the HF coils (1, 10, 100) run at an angle to one another, at least in the energy-input region.

3. Device according to claim 1 or 2, further characterized in that metal pipes (3.1-3.7; 30.1-30.6) run essentially in the direction of flow of the glass melt, at least over a portion of the length of channel (3, 30).

4. Device according to claim 3, further characterized in that metal pipes (3.1-3.7; 30.1-30.6) are shunted relative to one another.

5. Device according to claim 1 or 2, further characterized in that skull pipes (3.1-3.7) are configured in U shape and are arranged next to one another, so that they form a cage-type skull channel (3) which is open at the top.

6. Device according to claim 5, further characterized in that the ends of the U-shaped piece are joined together in a conductive manner for purposes of forming a shunt.

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